BRUHAT BENGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Maintenace of Roads and footpath and Buildings in Ward No. 09, In vidyaranyapura sub Division.**

									Estimate Cost:	**1500000.00**
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	~~Compund wall~~ drain. desilting.		1	60.00	0.45	0.35	9.45		
	For compound wall		1	115.00	0.75	0.75	64.69		
	CDs		4	7.50	2.00	1.05	63.00		
							137.14	83.16	**11404.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm							
	Ward office road		1	50.00		1.35	67.50		
							67.50	63.72	**4301.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 2				**67.50**	78.84	**5322.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2015-16**	Cum							
	Compound wall		1	115.00	0.75	0.15	12.94		
			4	7.50	2.00	0.15	9.00		
							21.94	5070.60	**111236.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**5070.60**							
5	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2015-16**	Cum							
	Compound wall		1	115.00	0.60	0.60	41.40		
			8	7.50	0.60	0.80	28.80		
							70.20	4135.32	**290299.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
	Compound wall		1	115.00	0.45	0.45	**23.29**	4905.36	**114234.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm							
			1	115.00		1.40	161.00		
	For Coulmns		32	0.40		1.50	19.20		
			1	60.00		0.20	12.00		
	Deduction for Gates		1	18.00		1.40	-25.20		
	Deduction for Grill		1	79.00		0.80	-63.20		
							103.80	1018.44	**105714.00**
	Basic Rate	943.00							
	Area Weightage @ 8%	75.44							
	Total	**1018.44**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	Coping compund wall		1	115.00	0.45	0.10	5.18		
	For Drain		1	60.00	0.20	0.10	1.20		
	Cd coping		4	7.50	1.80	0.10	5.40		
							11.78	5490.72	**64653.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum							
	covering slabs		1	60.00	0.90	0.10	5.40		
	Cd deck slab		4	7.50	1.80	0.23	12.42		
	Columns for gates		12	0.90	0.90	0.40	3.89		
			12	0.35	0.35	2.00	2.94		
							24.65	6198.12	**152771.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
10	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
			0.08	24.65			1.97		
							1.97	69805.80	**137646.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							
11	KSRB 15.3.5: Providing **15m thick cement** plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. **Page No. 112 / Item No. 15.13 / PWD SR 2015-16**	Sqm							
			2	115.00		1.40	322.00		
	Decudtion for Gates		2	18.00		1.40	-50.40		
			2	79.00		0.80	-126.40		
							145.20	191.16	**27756.00**
	Basic Rate	177.00							
	Area Weightage @ 8%	14.16							
	Total	**191.16**							
12	KSRB 15-16.2 : Providing and finishing external walls in two coats with water proof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. **with primer**, **Page No. 117 / Item No. 15.53.2 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 11				145.20		
							145.20	85.32	**12388.00**
	Basic Rate	79.00							
	Area Weightage @ 8%	6.32							
	Total	**85.32**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
	covering slab		1	60.00	0.60		36.00		
	RCC Drain Sidewall		1	60.00		0.10	6.00		
	C D Deck slab		8	7.50	0.60		36.00		
	sides		8	7.50		0.23	13.80		
	For Columns		12	3.60		0.40	17.28		
			12	1.40		2.00	33.60		
	Basic Rate	284.00					**142.68**	306.72	**43763.00**
	Area Weightage @ 8%	22.72							
	Total	**306.72**							
14	Providing and fixing **M.S. Gate as per Chief Architect Drawing**, using 50mm x 50mm 14 gaguge M.S hollow pipe frame work bent to ornimental shape as shown in the drawing and 35 mm x 6 mm and 16 x 16mm squate roads for verticals alternatively spaced at 4 cms c/c in two halves and 40 mm x 6mm M.S Flates for horizontal memeber and at the top cast iron spikes are provided at alternate vertical member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc complete all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (Shop Paint) etc complete the work includes cost of all materials labour charges, for all items of work, hire chargesfor welding cutting and grainding equipment and electtricity charges with lead and lift loading and unloading etc complete as per specficiation **Page No. 42 / Item No. 7.37 PWD SR 2015-16**	Sqm							
			5	3.00	1.50		22.50		
			1	4.00	1.50		6.00		
							28.50	3299.40	**94033.00**
	Basic Rate	3055.00							
	Area Weightage @ 8%	244.40							
	Total	**3299.40**							
15	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 **Page No. 32 / Item No. 7.9 / PWD SR 2015-16**	Kgs							
			1	80.00	0.75		60.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	21 Kg/ Sqm = 60 x 21 = 1260						**1260**	91.80	**115668.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
16	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. **Page No. 101 / Item No. 14.6 / PWD SR 2015-16**	Sqm							
			1	60.00	3.00		180.00		
			1	70.00	3.00		210.00		
			1	58.00	3.00		174.00		
							564.00	191.16	**107814.00**
	Basic Rate	177.00							
	Area Weightage @ 8%	14.16							
	Total	**191.16**							
17	Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos							
			1	100.00			222		
	Basic Rate	297.00		0.45			**222**	320.76	**71280.00**
	Area Weightage @ 8%	23.76							
	Total	**320.76**							
18	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Vide Item No. 1				**137.14**	106.34	**14583.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
18	Sub Total								**1484865.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
19	For Third Part QC inspection Charges @ 1%								14849.00
20	Miscellaneous and other Charges	L/S							286.00
								Total	1500000.00
	(Rupees Fifteen Lakhs only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
14/12/15

Administrative Approval
Accorded For 15,00,000/-
Head A/C P-1771
CER 78 dt: 14.12.2015
TA
CE (TRK)

TECHNICAL SANCTION
Accorded For Rs. 1500000/-
Head of A/c P-1771
Div. Ref. No. 241 Date 14.12.15
AE
EE(BTP) 15/12

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

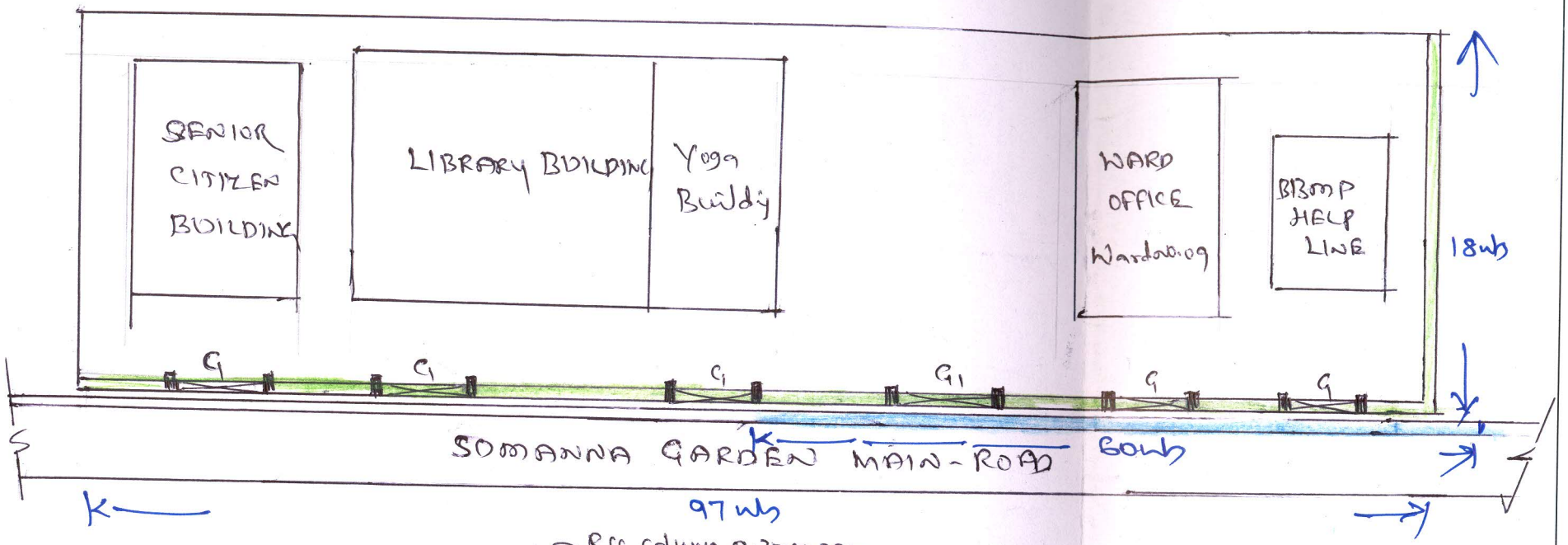
1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

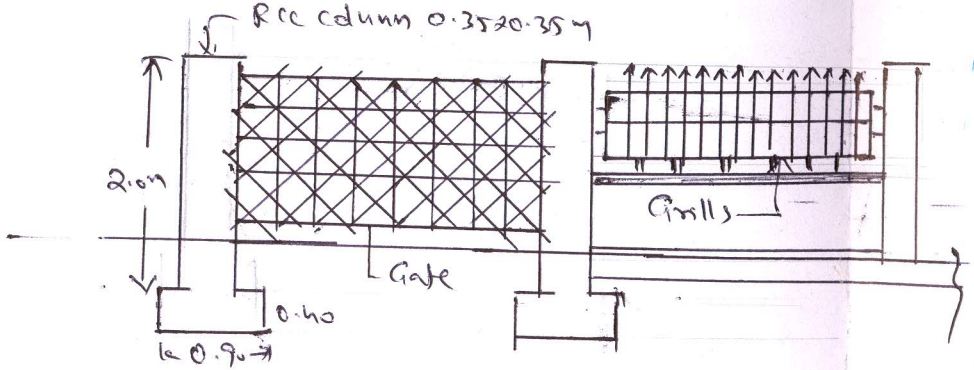
Certificate:

1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer Ward No. 09	Assistant Executive Engineer Vidyaranyapura Sub Division	Executive Engineer Byatarayanapura Division

Name of work : Maintenance of Roads, Footpath and Buildings in ward No 09, Vidyaranyapura sub Division





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Centre of Compound Wall

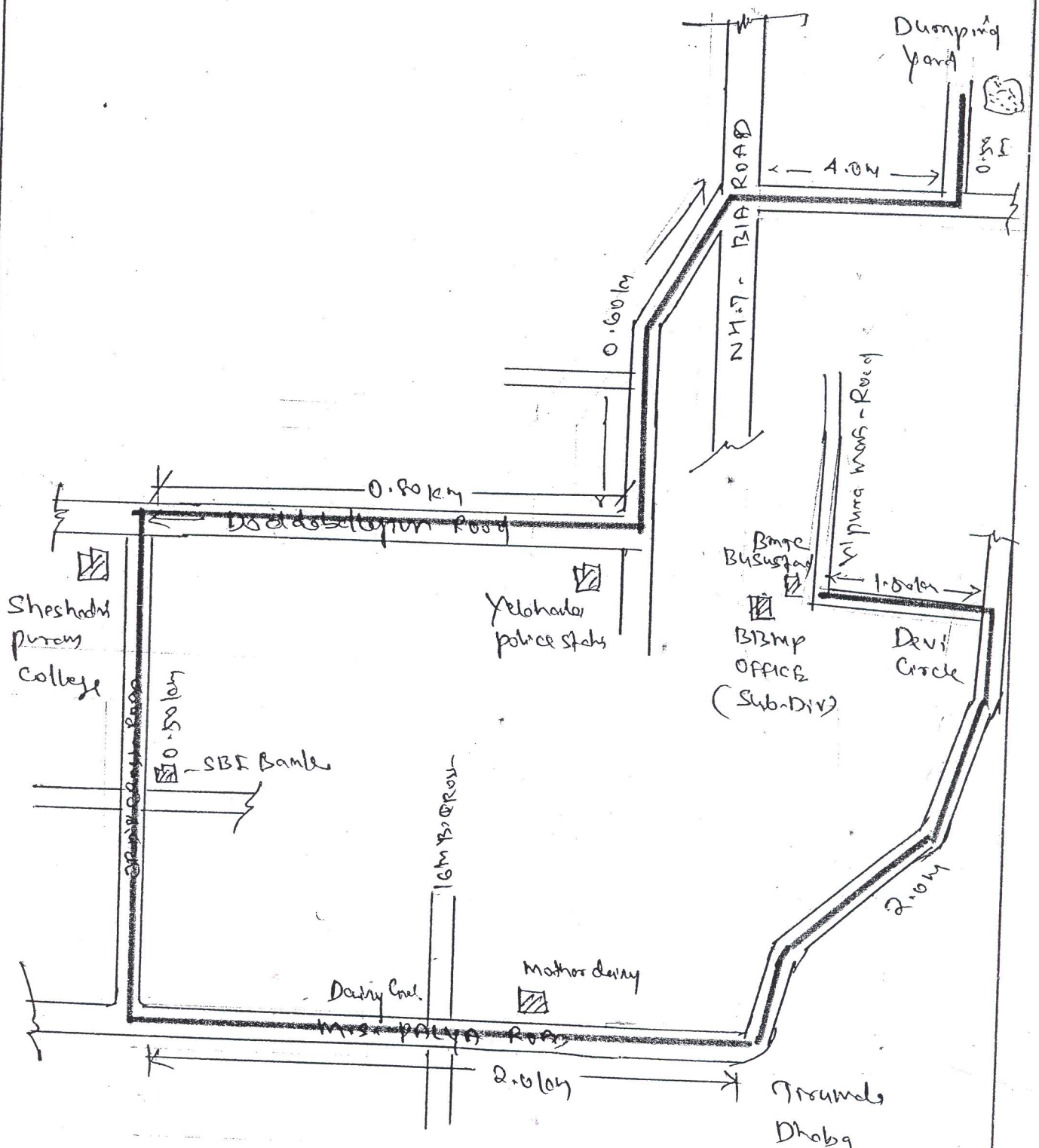
Imp to drain

Column - 0.35 x 0.35 m

Assistant Engineer
Ward No 09

Assistant Executice Engineer
Vidyaranyapura Sub Division, BBMP

LOAD CHART FOR DUMPING YARD FOR WARD NO



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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97